

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number:

10/723,142

Source:

IFWP

Date Processed by STIC:

11/19/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/723,142

DATE: 11/19/2004

TIME: 12:30:11

Input Set : A:\Seq465ut.app

Output Set: N:\CRF4\11192004\J723142.raw

3 <110> APPLICANT: ROTH, RICHARD B.  
 4 NELSON, MATTHEW ROBERTS  
 5 KAMMERER, STEFAN M.  
 6 BRAUN, ANDREAS  
 8 <120> TITLE OF INVENTION: METHODS FOR IDENTIFYING RISK OF BREAST CANCER AND TREATMENTS  
 9 THEREOF  
 11 <130> FILE REFERENCE: SEQ-4065-UT  
 13 <140> CURRENT APPLICATION NUMBER: 10/723,142  
 14 <141> CURRENT FILING DATE: 2003-11-25  
 16 <150> PRIOR APPLICATION NUMBER: 60/429,136  
 17 <151> PRIOR FILING DATE: 2002-11-25  
 19 <150> PRIOR APPLICATION NUMBER: 60/490,234  
 20 <151> PRIOR FILING DATE: 2003-07-24  
 22 <160> NUMBER OF SEQ ID NOS: 109  
 24 <170> SOFTWARE: PatentIn version 3.2  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 20  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Synthetic primer sequence  
 34 <400> SEQUENCE: 1  
 35 tgcaagaatg acactctagc 20  
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 41 <213> ORGANISM: Artificial Sequence  
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 53 <213> ORGANISM: Artificial Sequence  
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 58 <400> SEQUENCE: 3  
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 62 <210> SEQ ID NO: 4  
 63 <211> LENGTH: 20  
 64 <212> TYPE: DNA  
 65 <213> ORGANISM: Artificial Sequence

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67 <220> FEATURE:  
68 <223> OTHER INFORMATION: Synthetic primer sequence  
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74 <210> SEQ ID NO: 5  
75 <211> LENGTH: 20  
76 <212> TYPE: DNA  
77 <213> ORGANISM: Artificial Sequence  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: Synthetic primer sequence  
82 <400> SEQUENCE: 5  
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87 <211> LENGTH: 20  
88 <212> TYPE: DNA  
89 <213> ORGANISM: Artificial Sequence  
91 <220> FEATURE:  
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94 <400> SEQUENCE: 6  
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99 <211> LENGTH: 20  
100 <212> TYPE: DNA  
101 <213> ORGANISM: Artificial Sequence  
103 <220> FEATURE:  
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106 <400> SEQUENCE: 7  
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110 <210> SEQ ID NO: 8  
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112 <212> TYPE: DNA  
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125 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Synthetic primer sequence  
131 <400> SEQUENCE: 9  
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135 <210> SEQ ID NO: 10  
136 <211> LENGTH: 20  
137 <212> TYPE: DNA  
138 <213> ORGANISM: Artificial Sequence  
140 <220> FEATURE:

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141 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

143 &lt;400&gt; SEQUENCE: 10

144 gccatccat tcaaagattt

20

147 &lt;210&gt; SEQ ID NO: 11

148 &lt;211&gt; LENGTH: 20

149 &lt;212&gt; TYPE: DNA

150 &lt;213&gt; ORGANISM: Artificial Sequence

152 &lt;220&gt; FEATURE:

153 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

155 &lt;400&gt; SEQUENCE: 11

156 ttttgctct tctcttcctc

20

159 &lt;210&gt; SEQ ID NO: 12

160 &lt;211&gt; LENGTH: 20

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165 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

167 &lt;400&gt; SEQUENCE: 12

168 gaaggcagaa atagtcatgc

20

171 &lt;210&gt; SEQ ID NO: 13

172 &lt;211&gt; LENGTH: 21

173 &lt;212&gt; TYPE: DNA

174 &lt;213&gt; ORGANISM: Artificial Sequence

176 &lt;220&gt; FEATURE:

177 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

179 &lt;400&gt; SEQUENCE: 13

180 gcaaatcttt acttacagga-g

21

183 &lt;210&gt; SEQ ID NO: 14

184 &lt;211&gt; LENGTH: 21

185 &lt;212&gt; TYPE: DNA

186 &lt;213&gt; ORGANISM: Artificial Sequence

188 &lt;220&gt; FEATURE:

189 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

191 &lt;400&gt; SEQUENCE: 14

192 ggggaataatc ctctcaatta g

21

195 &lt;210&gt; SEQ ID NO: 15

196 &lt;211&gt; LENGTH: 20

197 &lt;212&gt; TYPE: DNA

198 &lt;213&gt; ORGANISM: Artificial Sequence

200 &lt;220&gt; FEATURE:

201 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

203 &lt;400&gt; SEQUENCE: 15

204 ccatccacct ccaacttttc

20

207 &lt;210&gt; SEQ ID NO: 16

208 &lt;211&gt; LENGTH: 20

209 &lt;212&gt; TYPE: DNA

210 &lt;213&gt; ORGANISM: Artificial Sequence

212 &lt;220&gt; FEATURE:

213 &lt;223&gt; OTHER INFORMATION: Synthetic primer sequence

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Input Set : A:\Seq465ut.app

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219 <210> SEQ ID NO: 17  
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224 <220> FEATURE:  
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228 ccattcctgc tacgtgatac 20  
231 <210> SEQ ID NO: 18  
232 <211> LENGTH: 20  
233 <212> TYPE: DNA  
234 <213> ORGANISM: Artificial Sequence  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Synthetic primer sequence  
239 <400> SEQUENCE: 18  
240 gtagcccttt gctacatgtg 20  
243 <210> SEQ ID NO: 19  
244 <211> LENGTH: 20  
245 <212> TYPE: DNA  
246 <213> ORGANISM: Artificial Sequence  
248 <220> FEATURE:  
249 <223> OTHER INFORMATION: Synthetic primer sequence  
251 <400> SEQUENCE: 19  
252 aggaccagac ttagcttcag 20  
255 <210> SEQ ID NO: 20  
256 <211> LENGTH: 20  
257 <212> TYPE: DNA  
258 <213> ORGANISM: Artificial Sequence  
260 <220> FEATURE:  
261 <223> OTHER INFORMATION: Synthetic primer sequence  
263 <400> SEQUENCE: 20  
264 tttaagactt gaggtgtgcc 20  
267 <210> SEQ ID NO: 21  
268 <211> LENGTH: 20  
269 <212> TYPE: DNA  
270 <213> ORGANISM: Artificial Sequence  
272 <220> FEATURE:  
273 <223> OTHER INFORMATION: Synthetic primer sequence  
275 <400> SEQUENCE: 21  
276 aaaaaaccga agtgtgggag 20  
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281 <212> TYPE: DNA  
282 <213> ORGANISM: Artificial Sequence  
284 <220> FEATURE:  
285 <223> OTHER INFORMATION: Synthetic primer sequence  
287 <400> SEQUENCE: 22

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DATE: 11/19/2004

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Input Set : A:\Seq465ut.app

Output Set: N:\CRF4\11192004\J723142.raw

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293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
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299 <400> SEQUENCE: 23
300 acaaggacat aaaaggatgg 20
303 <210> SEQ ID NO: 24
304 <211> LENGTH: 20
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Synthetic primer sequence
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312 tgacagtgtt gagcactttc 20
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317 <212> TYPE: DNA
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320 <220> FEATURE:
321 <223> OTHER INFORMATION: Synthetic primer sequence
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336 aagcacagtg gacatgtttc 20
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341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial Sequence
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351 <210> SEQ ID NO: 28
352 <211> LENGTH: 20
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354 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/723,142

DATE: 11/19/2004  
TIME: 12:30:12

Input Set : A:\Seq465ut.app  
Output Set: N:\CRF4\11192004\J723142.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:109; N Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/723,142

DATE: 11/19/2004

TIME: 12:30:12

Input Set : A:\Seq465ut.app

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L:1345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0